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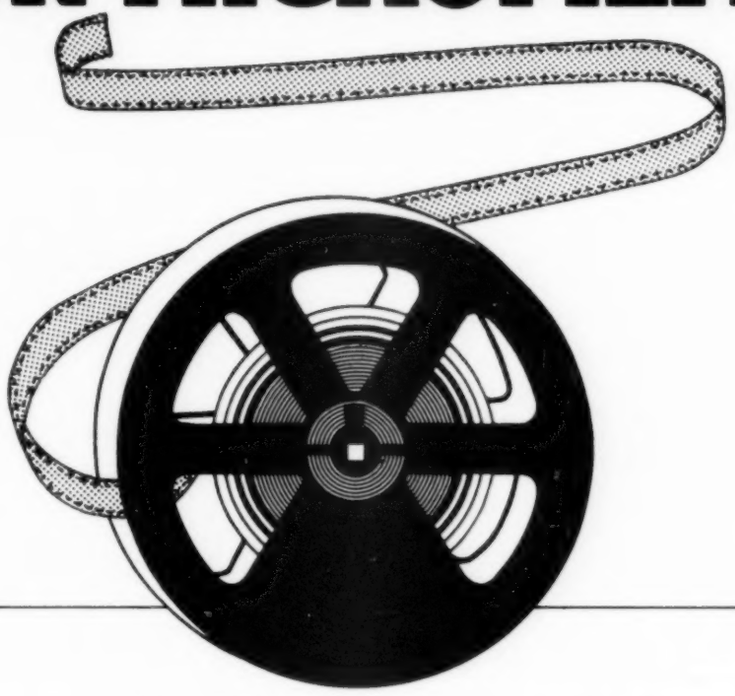

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A Lie Group: Rotations in Quantum Mechanics

by JEAN-MARIE NORMAND, *Commissariat à l'Energie Atomique, Centre d'Etudes Nucléaires de Saclay, France.*

1980 xvi + 486 pages. Price: US $61.00/Dfl. 125.00. ISBN 0-444-86125-4

The three-dimensional rotation group and the quantum theory of angular momenta are widely studied subjects, but this volume differs from other works on the subject, since it is not exclusively devoted to the rotation group in Quantum Mechanics. The author aims to bring out a set of general methods and results concerning the representations of compact Lie groups - mainly the linear ones, while deriving many specific properties and computational methods for the representations of the three-dimensional rotation group in Quantum Mechanics.

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